

FORM PTO-1449

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)



3

Attorney Docket Number	36980/NJP/B600
Application Number	09/693,709
Filing Date	October 20, 2000
Applicant(s)	Oscar E. Agazzi
Group Art Unit	2874
Examiner Name	To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,479,447	12/1995	Chow et al.	375	260	

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
✓	99/00926	1/1999	WIPO				
✓	10107758	4/1998	EPO - Japan Abstract				
✓	0 957 615	11/1999	European Patent Office				

OTHER DOCUMENTS

EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
✓	F ANANASSO ET AL., SS-FDMA Channelization and Routing in Advanced Multibeam Mobile Satellite Systems, XP-001004797, October 1988, pp. 258-263.
✓	AN-YEU WU ET AL., A Fast algorithm for Reduced-Complexity Programmable DSP Implementation of the IFFT/FFT In DMT Systems, ISBN # 0-7803-4984-9, August, 1998, pp. 833-838.
✓	MICHEL ALARD ET AL., EBU Review - Technical, Principles of Modulation and Channel Coding for Digital Broadcasting for Mobile Receivers, No 224, August, 1987, pp. 168-190.

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FORM PTO-14 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	36980/NJP/B600
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U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,613,975	09/1986	Aoyagi et al.	375	40	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	2 271 693	04/1994	United Kingdom				
	0 789 464	08/1997	European Patent Office				
	0-869-647	10/1998	European Patent Office				

OTHER DOCUMENTS	
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	HOWARD FRAZIER - Cisco Systems, IEEE-802.3-Higher-Speed-Study-Group, 10Gig-MH update, November 9, 1999, Kauai, HI.
	DON-ALDERROU, ET AL. - Task Force, IEEE-802.3ae, XAUI/XGXS Proposal, May 23-25, 2000, Ottawa, ON.
96	THOMAS E. DARCIE, Subcarrier Multiplexing for Lightwave Networks and Video Distribution Systems, IEEE Journal on Selected areas in Communications, Vol. 8, No. 7, September 1990, pp. 1240-1248.
	JAMES A. CHIDDIX, ET AL., AM Video on Fiber in CATV Systems: Need and Implementation, IEEE Journal on Selected areas in Communications, Vol. 8, No. 7, September 1990, pp. 1229-1239.
96	NORIO KANNO, ET AL., Fiber-Optic Subcarrier Multiplexing Video Transport Employing Multilevel QAM, IEEE Journal on Selected Areas in Communications, Vol. 8, No. 7, September 1990, pp. 1313-1319.
	ROBERT OLSHANSKY, ET AL., Subcarrier Multiplexed Coherent Lightwave Systems for Video Distribution, IEEE Journal on Selected Areas in Communications, Vol. 8, No. 7, September 1990, pp. 1268-1275.

EXAMINER SIGNATURE	<i>[Signature]</i>	DATE CONSIDERED	10/27/03
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	MING-KANG LIU, ET. AL., Multilevel-Signaling-and-Pulse-Shaping-for-Spectrum-Efficiency in Subcarrier Multiplexing Transmission, IEEE Journal of Lightwave Technology, Vol. 12, No. 7, July 1994, pp. 1239-1246..
<i>W</i>	ROBERT OLSHANSKY, ET AL., Subcarrier Multiplexed Lightwave Systems for Broad-Band Distribution, IEEE Journal of Lightwave Technology, Vol. 7, No. 9, September 1989, pp. 1329-1341.
<i>W</i>	JOHN A.C. BINGHAM, Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come, IEEE Communications Magazine, pp. 5-14.
	GERHARD FETTWEIS, ET AL., Parallel Viterbi Algorithm Implementaiton: Breaking the ACS-Bottleneck, IEEE Transactions on Communications, Vol. 37 No. 8, August 1989, pp. 785-789.
<i>W</i>	JACK H. WINTERS, ET AL. Reducing the Effects of Transmission Impairments in Digital Fiber Optic Systems, IEEE Communications Magazine, June 1993, pp. 68-76.
<i>W</i>	B. L. KASPER, Equalization of Multimode Optical-Fiber Systems, The Bell System Technical Journal, Vol. 61, No. 7, September 1982, pp. 1367-1388.
<i>W</i>	JACK H. WINTERS, ET AL., Electrical Signal-Processing Techniques in Long-Haul Fiber-Optic Systems, IEEE Transactions on Communications, Vol 38, No. 9, September 1990, pp. 1439-1453.
	GERHARD FETTWIS, ET AL., High-Rate Viterbi-Processor: A Systolic Array Solution, IEEE Journal on Selected Areas in Communications, Vol. 8, No. 8, October 1990, pp. 1520-1533.
	HOWARD M. FRAZIER, JR., Media Independent Interface Concepts and Guidelines, Sun-Microsystems Computer Company, ISBN # 0-7803-2636-9, July, 1995, pp. 348-353.
	MEHDI HATAMIAN, ET AL., Design Considerations for Gigabit Ethernet 1000Base-T Twisted Pair Transceivers, BC233290, November, 1998, pp. 335-342.

EXAMINER SIGNATURE	<i>[Signature]</i>	DATE CONSIDERED	10/07/03
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Form PTO-1449 (Rev. 8-83) (modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE APR 14 2003	ATTY. DOCKET NO. 13449US02	SERIAL NO. 09/693,709
INFORMATION DISCLOSURE CITATION (attach several sheets if necessary)		APPLICANT(s): O. Agazzi	
		October 20, 2000	GROUP ART UNIT: 2633

Sheet 1 of 1

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
						<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">RECEIVED</div>	
						<div style="font-size: 1.2em;">APR 16 2003</div>	

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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
<i>JB</i>	M. Guizani and A.R. Al-Ali, "PC-Compatible Optical Data Acquisition Unit," 1994 Instrumentation and Measurement Technology Conference, 10-12 May 1994
<i>JB</i>	N. Kanno and K. Ito, "Fiber-Optic Subcarrier Multiplexing video Transport Employing Multilevel QAM," IEEE Journal on Selected Areas in Communications, Vol. 8, No. 7, September 1990
<i>JB</i>	W. Ellersick, C.K. Yang, M. Horowitz, and W. Dally, "GAD: A 12GS/s CMOS 4-bit A/D Converter for an Equalized Multi-Level Link," 1999 Symposium on VLSI Circuits
<i>JB</i>	W.J. Dally and J. Poulton, "Transmitter Equalization for 4Gb/s Signalling," Proceedings of Hot Interconnects IV, Palo Alto, 1996
<i>JB</i>	J.H. Winters, R.D. Gitlin, and S. Kasturia, "Reducing the Effects of Transmission Impairments in Digital Fiber Optic Systems," IEEE Communications Magazine, June 1993, pp. 68-76
<i>JB</i>	S. Kasturia and J.H. Winters, "Techniques for High-Speed Implementation of Nonlinear Cancellation," IEEE Journal on Selected Areas in Communications, Vol. 9, No. 5, June 1991
<i>JB</i>	B.L. Kasper, "Equalization of Multimode Optical Fiber Systems," Bell System Technical Journal, Vol. 61, No. 7, September 1982, pp. 1367
<i>JB</i>	J.H. Winters and R.D. Gitlin, "Electrical Signal Processing Techniques in Long-Haul Fiber-Optic Systems," IEEE Transactions on Communications, Vol. 38, No. 9, September 1990, pp. 1439-1453
<i>JB</i>	R. Mason and J.T. Taylor, "High-Speed Electro-Optic Analogue to Digital Converters," 1993 International Symposium on Circuits and Systems, 3-6 May 1993
<i>JB</i>	T.E. Darcie, "Subcarrier Multiplexing for Lightwave Networks and Video Distribution Systems," IEEE Journal on Selected Areas in Communications, Vol. 8, No. 7, September 1990
<i>JB</i>	J.A.C. Bingham, "Multicarrier Modulation for Data Transmission: An Idea Whose time Has Come," IEEE Communications Magazine, May 1990, pp. 5-14
<i>JB</i>	R. Olshansky, V.A. Lanzisera, P.M. Hill, "Subcarrier Multiplexed Lightwave Systems for Broadband Distribution," Journal of Lightwave Technology, Vol. 7, No. 9, September 1989

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